



#8
5/15/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In re Applicant:

**Christopher P. Adams, Jr.
Joseph D. Kittle, Jr.**

Filed: **November 15, 2001**
Serial No.: **09/857,378**

For: **Method for the Immobilization
of Oligonucleotides**

§
§
§
§
§
§
§
§
§
§

Art Unit: **1632**

Examiner: **Scott David Priebe**

Attorney Docket No.: **019896-00401**

MAY 14 2003

TECH CENTER 1600/2900

MAIL STOP DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicant hereby submits the references appearing in the attached PTO-1449 in accordance with 37 C.F.R. §§ 1.56 and 1.97. A copy of the references cited in the attached PTO-1449 are enclosed.

U.S. PATENT DOCUMENTS

U.S. Patent 5,990,089
U.S. Patent 5,985,573
U.S. Patent 5,985,320

U.S. Patent 5,932,711
U.S. Patent 5,846,565
U.S. Patent 5,718,921

U.S. Patent 5,510,084
U.S. Patent 5,500,161

FOREIGN PATENT DOCUMENTS

EP 0 524 864 A1
WO 98/17317
WO 97/15680



22904

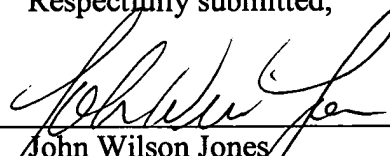
PATENT TRADEMARK OFFICE

OTHER DOCUMENTS

- A. TUNCEL ET AL., "Monosize poly(ethylcyanoacrylate) microspheres: Preparation and degradation properties," *Journal of Biomedical Materials Research*, Vol. 29, pp. 271-728 (1995)
- NAGATSUGI ET AL., "2-Aminopurine Derivatives with C6-Substituted Olefin as Novel Cross-Linking Agents and the Synthesis of the Corresponding β -Phosphoramidite Precursors," *Tetrahedron*, Vol. 53, No. 9, pp. 3035-3044(1997)
- MUMPER ET AL., "Polyvinyl Derivatives as Novel Interactive Polymers for Controlled Gene Delivery to Muscle," *Pharmaceutical Research*, Vol. 13, No. 5, pp. 701-709 (1996)
- HUI ET AL., "High-Efficiency Loading, Transfection, and Fusion of Cells by Electroporation in Two-Phase Polymer Systems," *Biophysical Journal*, Vol. 71, pp. 1123-1130 (1996)
- TEWARY ET AL., "Qualitative and quantitative measurements of oligonucleotides in gene therapy: Part II in vivo models," *Journal of Pharmaceutical and Biomedical Analysis*, Vol. 15, pp. 1127-1135 (1997)
- SJÖHOLM ET AL., "Acrylic Microspheres in Vivo. I. Distribution and Elimination of Polyacrylamide Microparticles after Intravenous and Intraperitoneal Injection in Mouse and Rat," *The Journal of Pharmacology and Experimental Therapeutics*, Vol. 211, pp. 656-662 (1979)
- EDMAN ET AL., "Acrylic Microspheres in Vivo. II. The Effect in Rat of L-Asparaginase Given in Microparticles of Polyacrylamide," *The Journal of Pharmacology and Experimental Therapeutics*, Vol. 211, No. 37, pp. 663-696 (1979)
- WU ET AL., "Preparation and Characterization of Thermal- and pH-Sensitive Nanospheres," *Pharmaceutical Research*, Vol. 10, No. 10, pp. 1544-1547 (1993)

It is believed no fees are due; however, the Commissioner is hereby authorized to debit the Locke Liddell & Sapp LLP Deposit Acct. No. 12-1322 (Ref. 019896-00401) for any fees associated with this filing and/or credit any additional amounts to the deposit account referenced above.

Respectfully submitted,



John Wilson Jones
Registration No. 31,380

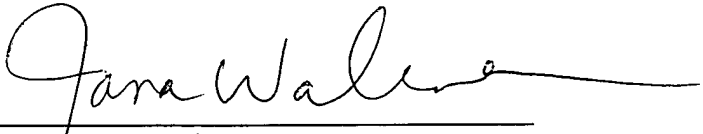
Dated: May 7, 2003

LOCKE LIDDELL & SAPP LLP
600 Travis, Suite 3400
Houston, Texas 77002-3095
Telephone No.: (713) 226-1142
Facsimile No.: (713) 229-2570

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

I hereby certify this correspondence is being deposited, under 37 CFR 1.8, with the United States Postal Service as First Class Mail in an envelope addressed to: BOX DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: May 7, 2003



Jana Walraven